

GenCore version 5.1.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: November 24, 2002, 02:16:14 ; Search time 16.5 Seconds
(without alignments)
182.243 Million cell updates/sec

Title: US-09-485-951-3

Perfect score: 178

Sequence: 1 aaccocgcacagtcctgt.....ccagggggcgacagacaaaaa 96

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delopt 6.0 , Delext 7.0

Searched: 100480 seqs, 15661496 residues

Total number of hits satisfying chosen parameters: 200960

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

-MODEL=frame+n2p.model -DEV=xlp
-Q=/cgn2.1/USPTO.spool/US09485951/runat_20112002.094836.22124/app_query.fasta_1.263
-DB=Published Applications_AA -QWMT=fastan -SUFFIX=n2p.rapb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0
-MAXLEN=200000000 -USER=US09485951.ecgn.1.1.3 @runat_20112002.094836.22124
-NCPU=6 -ICPU=3 -NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG
-DEV TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications_AA :

1: /cgn2.6/ptodata/1/pubpaa/US08_NEW_PUB.pcp:*
2: /cgn2.6/ptodata/1/pubpaa/PCT_NEW_PUB.pcp:*
3: /cgn2.6/ptodata/1/pubpaa/US06_NEW_PUB.pcp:*
4: /cgn2.6/ptodata/1/pubpaa/US06_PUBCOMB.pcp:*
5: /cgn2.6/ptodata/1/pubpaa/US07_NEW_PUB.pcp:*
6: /cgn2.6/ptodata/1/pubpaa/US07_PUBCOMB.pcp:*
7: /cgn2.6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pcp:*
8: /cgn2.6/ptodata/1/pubpaa/US08_PUBCOMB.pcp:*
9: /cgn2.6/ptodata/1/pubpaa/US09_NEW_PUB.pcp:*
10: /cgn2.6/ptodata/1/pubpaa/US09_PUBCOMB.pcp:*
11: /cgn2.6/ptodata/1/pubpaa/US10_NEW_PUB.pcp:*
12: /cgn2.6/ptodata/1/pubpaa/US10_PUBCOMB.pcp:*
13: /cgn2.6/ptodata/1/pubpaa/US60_NEW_PUB.pcp:*
14: /cgn2.6/ptodata/1/pubpaa/US60_PUBCOMB.pcp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	178	100.0	378 10	US-09-738-973-439 Sequence 439, Appl
2	59.5	33.4	64 10	US-09-864-761-4469 Sequence 4469, A
3	58	32.6	129 10	US-09-764-877-1531 Sequence 1531, Ap
4	58	32.6	234 9	US-09-764-868-753 Sequence 753, App

5	57	32.0	1374	9	US-09-900-425A-2	Sequence 2, Appli
6	56.5	31.7	173	10	US-09-925-302-855	Sequence 855, App
7	56	30.4	47	10	US-09-864-761-46301	Sequence 46301, A
8	56	31.5	329	10	US-09-925-300-1406	Sequence 1406, Ap
9	56	31.5	470	9	US-10-006-950-2	Sequence 2, Appli
10	56	31.5	470	10	US-09-805-467A-2	Sequence 2, Appli
11	56	31.5	1337	10	US-09-803-126-1	Sequence 1, Appli
12	54.5	30.6	80	10	US-09-864-761-41757	Sequence 41757, A
13	54.5	30.6	83	10	US-09-864-761-37782	Sequence 37782, A
14	54	30.3	146	10	US-09-800-729-94	Sequence 94, Appl
15	54	30.3	210	10	US-09-800-729-181	Sequence 181, App
16	54	30.3	2005	10	US-09-735-367B-3	Sequence 3, Appli
17	54	30.3	2063	10	US-09-735-367B-2	Sequence 2, Appli
18	53	29.8	61	10	US-09-864-761-37440	Sequence 37440, A
19	53	28.8	560	9	US-09-712-363-159	Sequence 159, App
20	52	28.3	194	9	US-09-764-868-1098	Sequence 1098, Ap
21	52	29.2	353	9	US-10-047-542-16	Sequence 16, Appl
22	52	29.2	494	10	US-09-800-729-216	Sequence 216, App
23	52	29.2	530	10	US-09-800-729-112	Sequence 112, App
24	52	28.3	1002	9	US-09-988-117-3	Sequence 3, Appli
25	52	28.3	1002	10	US-09-812-471-3	Sequence 3, Appli
26	52	28.3	1002	10	US-09-812-633-3	Sequence 3, Appli
27	51	28.7	115	10	US-09-893-737-128	Sequence 128, App
28	51	28.7	390	9	US-09-905-291A-39	Sequence 39, Appl
29	51	28.7	390	10	US-09-909-320-39	Sequence 39, Appl
30	51	28.7	390	10	US-09-909-088B-39	Sequence 1031, Ap
31	51	28.7	571	10	US-09-925-301-1031	Sequence 2, Appli
32	51	28.7	1168	10	US-09-919-603-2	Sequence 2, Appli
33	51	28.7	1172	10	US-09-919-770-4	Sequence 4, Appli
34	51	28.7	1172	10	US-09-822-682-2	Sequence 2, Appli
35	50.5	28.4	63	10	US-09-764-877-1674	Sequence 1674, Ap
36	50.5	28.4	726	10	US-09-770-689A-4	Sequence 4, Appli
37	50.5	28.4	803	10	US-09-770-689A-2	Sequence 2, Appli
38	50.5	28.4	881	10	US-09-816-860A-2	Sequence 2, Appli
39	50.5	27.4	885	10	US-09-815-242-5090	Sequence 5090, Ap
40	50.5	28.4	1587	10	US-09-845-583-10	Sequence 10, Appl
41	50.5	27.4	3571	10	US-09-911-842-2	Sequence 2, Appli
42	50	28.1	66	10	US-09-867-561-2030	Sequence 2030, Ap
43	50	27.2	272	10	US-09-864-761-35520	Sequence 35520, A
44	49.5	27.8	129	10	US-09-739-254-140	Sequence 140, App
45	49.5	27.8	129	10	US-09-904-615-140	Sequence 140, App

ALIGNMENTS

RESULT 1
US-09-738-973-439
; Sequence 439, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Filing, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 439
; LENGTH: 378
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-738-973-439

Alignment Scores:
Pred. No.: 2,27e-14 Length: 378
Score: 178.00 Matches: 32
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-738-973-439 (1-378)

QY 1 AACCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCGCTGTC 60
Db 172 AsnProArgThrValProValGlnProAlaPheSerThrValProPheSerGlnProVal 191
QY 61 TGTTCCTCCACAGCCAGCCAGGGGGCGCAGACAAAAA 96
Db 192 CysPheProProArgProArgGlyArgArgGlnLys 203

RESULT 2

US-09-864-761-44469
; Sequence 44469, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44469

; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002091.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.45
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.49
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
; OTHER INFORMATION: EST_HUMAN HIT: AW672785.1, EVALUUE 7.00e-07
US-09-864-761-44469

Alignment Scores:
Pred. No.: 5.54 Length: 64
Score: 59.50 Matches: 13
Percent Similarity: 51.72% Conservative: 2
Best Local Similarity: 44.83% Mismatches: 13
Query Match: 33.43% Indels: 1
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-44469 (1-64)

QY 4 CCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCGCTGTC--- 60
Db 30 ProArgGluIleProCysSerProProAlaLeuProMetThrProProCysPro 49
QY 61 TGTTCCTCCACAGCCAGCCAGGGGGCGC 87
Db 50 LeuHisProProArgProArgGlyArg 58

RESULT 3

US-09-764-877-1531
; Sequence 1531, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; PRIOR application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1531
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-877-1531

Alignment Scores:
Pred. No.: 8.63 Length: 129
Score: 58.00 Matches: 13
Percent Similarity: 56.00% Conservative: 1
Best Local Similarity: 52.00% Mismatches: 11
Query Match: 32.58% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-764-877-1531 (1-129)

QY 3 CCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCGCTGTCG 62
Db 89 ProProProAlaHisThrSerThrCysLeuPheProSerHisProLeuProAlaProSer 108
QY 63 TTTCCACCCAGGCC 77
Db 109 PheProThrGlnAla 113

RESULT 4

US-09-764-868-753
; Sequence 753, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

```
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 753
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (46)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (47)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (173)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-868-753

Alignment Scores:
Pred. No.: 8.81 Length: 234
Score: 58.00 Matches: 16
Percent Similarity: 61.29% Conservative: 3
Best Local Similarity: 51.61% Mismatches: 8
Query Match: 32.58% Indels: 4
DB: 9 Gaps: 2

US-09-485-951-3 (1-96) x US-09-764-868-753 (1-234)

QY 2 ACCCCGACAGTCCCTGTTTCAGGCTGCTTCCAGGTCGCTTCCAGGTCGCTGTCT 61
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 67 ThrProThrSerLeuAspSerLeuSerPro-----SerPro---ValThr 82
|||
QY 62 GTTCCACACCGCCCGGGGGCGGACACAAA 94
|||
Db 83 ThrAlaValProGlyProGlyProAspLys 93

RESULT 5
US-09-900-425A-2
; Sequence 2, Application US/09900425A
; Patent No. US20020164601A1
; GENERAL INFORMATION:
; APPLICANT: Wu, Hongjiang
; TITLE OF INVENTION: Human RNase III and Compositions and Uses Thereof
; FILE REFERENCE: ISPH-0522
; CURRENT APPLICATION NUMBER: US/09/900,425A
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: US 09/479,783
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 08/870,608
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 80/659,440
; PRIOR FILING DATE: 1996-06-06
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1374
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-900-425A-2

Alignment Scores:
Pred. No.: 12.4 Length: 1374
Score: 57.00 Matches: 11
Percent Similarity: 52.00% Conservative: 2
Best Local Similarity: 44.00% Mismatches: 8
```

```
Query Match: 32.02% Indels: 4
DB: 9 Gaps: 1

US-09-485-951-3 (1-96) x US-09-900-425A-2 (1-1374)

QY 16 CCTGTTTCAGCGTGCCTTCTCCACG-----GTGCGGTTCTCCACGCTGTCTGT 63
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 97 ProIleArgProPheProAsnHisGlnMetArgHisProPheValProProCys 116
|||
QY 64 TTCCACACCGAGGCC 78
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 117 PheProPrometPro 121

RESULT 6
US-09-925-302-855
; Sequence 855, Application US/09925302
; Patent No. US20020044941A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 855
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (159)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (168)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-302-855

Alignment Scores:
Pred. No.: 13.3 Length: 173
Score: 56.50 Matches: 13
Percent Similarity: 57.69% Conservative: 2
Best Local Similarity: 50.00% Mismatches: 10
Query Match: 31.74% Indels: 1
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-925-302-855 (1-173)

QY 4 CCGCGACAGTCCCTGTTTCAGGTCGCTTCCAGGTCGCTTCCAGGTCGCTGTCTGT 63
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 149 ProArgIleGlyTyProLysProAlaLeu***ThrProSerSerGlnPro---Cys 167
|||
QY 64 TTCCACACCGAGGCCAGS 81
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 168 ***AlaProArgProLys 173

RESULT 7
US-09-864-761-46301
; Sequence 46301, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
```

```
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 46301
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL159141.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EST_HUMAN HIT: AU119105.1, EVALUE 2.00e-21
US-09-864-761-46301

Alignment Scores:
Pred. No.: 14.6 Length: 47
Score: 56.00 Matches: 11
Percent Similarity: 46.67% Conservative: 3
Best Local Similarity: 36.67% Mismatches: 16
Query Match: 30.43% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-864-761-46301 (1-47)
QY 94 TTGTGTCGCGCCCGCTGGCGTGGGGAACAGACAGCGTGGGAGACGGCAGCGTGG 35
Db 16 PheValCysGlnProThrArgLysThrAlaPheLeuThrAlaGlyAlaSerTrp 35
QY 34 AGAAGCAGGCTGACAGGACGTGCGGG 5
Db 36 ArgSerSerLysHisAlaArgCysGly 45
RESULT 8
US-09-925-300-1406

; Sequence 1406, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1406
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (312)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1406

Alignment Scores:
Pred. No.: 15.6 Length: 329
Score: 56.00 Matches: 15
Percent Similarity: 57.14% Conservative: 5
Best Local Similarity: 42.86% Mismatches: 8
Query Match: 31.46% Indels: 7
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-925-300-1406 (1-329)
QY 4 CCGCGCACAGTCCCTGTCAGCTGCTTCACAGTGCCTTCACAGTGCCTTCCTCC----- 52
Db 18 ProThrArgThrProAlaGluPro-ProArgProArgGlyArgAsnProAlaSerAsnAs 37
QY 53 -----AGCCTGTCGTGTTCCACCCAGCCAGCCAGGGGGCGCA 88
Db 37 nSerAsnSerLeuAsnValAsnAnglyValProGlyGlyAla 51
RESULT 9
US-10-006-950-2
; Sequence 2, Application US/10006950
; Patent No. US20020161216A1
; GENERAL INFORMATION:
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Bonini, James A.
; TITLE OF INVENTION: DNA ENCODING ORPHAN SNORF4 RECEPTOR
; FILE REFERENCE: 58799
; CURRENT APPLICATION NUMBER: US/10/006,950
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: US/09/266,407
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-950-2

Alignment Scores:
Pred. No.: 15.8 Length: 470
Score: 56.00 Matches: 12
Percent Similarity: 53.33% Conservative: 4
Best Local Similarity: 40.00% Mismatches: 14
Query Match: 31.46% Indels: 0
DB: 9 Gaps: 0

US-09-485-951-3 (1-96) x US-10-006-950-2 (1-470)
```

QY 2 ACCCCGACAGTCCCTGTTCCAGCTGCTTCCACGGTGCCGTTCTCCAGCCTGTCT 61
Db 414 ThrProAlaProAlaAlaSerValProSerProCysAspGluAlaSerProThrPro 433
QY 62 GTTTCACCCAGCCGCGGGCGGCAGAC 91
Db 434 SerSerHisProThrProGlyAlaLeuGlu 443

RESULT 10

US-09-805-467A-2
; Sequence 2, Application US/09805467A
; Patent No. US20020058259A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishnan, Shyam
; TITLE OF INVENTION: Regulation of Human Lipoxin A4
; FILE REFERENCE: 4974, 00453
; CURRENT APPLICATION NUMBER: US/09/805,467A
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/189,037
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-805-467A-2

Alignment Scores:
Pred. No.: 15.8 Length: 470
Score: 56.00 Matches: 12
Percent Similarity: 53.33% Conservative: 4
Best Local Similarity: 40.00% Mismatches: 14
Query Match: 31.46% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-805-467A-2 (1-470)

QY 2 ACCCCGACAGTCCCTGTTCCAGCTGCTTCCACGGTGCCGTTCTCCAGCCTGTCT 61
Db 414 ThrProAlaProAlaAlaSerValProSerProCysAspGluAlaSerProThrPro 433
QY 62 GTTTCACCCAGCCGCGGGCGGCAGAC 91
Db 434 SerSerHisProThrProGlyAlaLeuGlu 443

RESULT 11

US-09-803-126-1
; Sequence 1, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; FILE REFERENCE: 015303-000310US
; CURRENT APPLICATION NUMBER: US/09/803,126
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1337
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse myosin related protein (MRP)
US-09-803-126-1

Alignment Scores:

Pred. No.: 16.4 Length: 1337
Score: 56.00 Matches: 10
Percent Similarity: 53.85% Conservative: 4
Best Local Similarity: 38.46% Mismatches: 12
Query Match: 31.46% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-803-126-1 (1-1337)

QY 4 CCCCACAGTCCCTGTTCCAGCTGCTTCCACGGTGCCGTTCTCCAGCCTGTCTGT 63
Db 653 ProAlaProMetProValMetProAlaMetGlyAlaValProThrMetProAlaMetMet 672
QY 64 TTCCACCCAGCCGCGAGG 81
Db 673 ValProProGlnProGln 678

RESULT 12

US-09-864-761-41757
; Sequence 41757, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 41757
; LENGTH: 80
; TYPE: PRT

```

; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC023490.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.1
; OTHER INFORMATION: EST_HUMAN HIT: BE531263.1, EVALUE 2.00e-04
; OTHER INFORMATION: SWISSPROT HIT: P29400, EVALUE 1.60e-01
US-09-864-761-41757

Alignment Scores:
Pred. No.: 22.6 Length: 80
Score: 54.50 Matches: 14
Percent Similarity: 51.43% Conservative: 4
Best Local Similarity: 40.00% Mismatches: 13
Query Match: 30.62% Indels: 4
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-41757 (1-80)
QY 3 CCCCCGACAGTCCCTGTTCCAGCC-----TGCTTCTCCACGGTCCGGTCTCTCCCA 53
Db 16 ProProGlnCysProGlyProArgAsnArgHisCysLeu-AsnLeuAlaProMetGlyG1 35
QY 54 GCCTGCTGTTTCCCAACCCAGGCCGAGGGGGCGACAGACAAAAA 96
Db 35 nSerLeuGlnPheProProProArgGlyGlnSerGlnGln 49

RESULT 13
US-09-864-761-37782
; Sequence 37782, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeonica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30

```

```

; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 37782
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL021579.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.4
; OTHER INFORMATION: EST_HUMAN HIT: AW375534.1, EVALUE 6.00e-26
; OTHER INFORMATION: SWISSPROT HIT: P48634, EVALUE 2.00e-06
US-09-864-761-37782

Alignment Scores:
Pred. No.: 22.7 Length: 83
Score: 54.50 Matches: 13
Percent Similarity: 57.69% Conservative: 2
Best Local Similarity: 50.00% Mismatches: 4
Query Match: 30.62% Indels: 7
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-37782 (1-83)
QY 4 CCCCCGACAGTCCCTGTTCCAGCTGCTTCTCCACGGTCCGGTCTCTCCACGGCTGTCTGT 63
Db 18 ProGlnThrValProSerGlnProSerSerSerThrValPro----- 31
QY 64 TTCCCAACCCAGGCCCAGG 81
Db 32 ---ProProProHisArg 36

RESULT 14
US-09-800-729-94
; Sequence 94, Application US/09800729
; Patent No. US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044F1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 94
; LENGTH: 146
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-94
Alignment Scores:

```

Pred. No.:	26.6	Length:	146
Score:	54.00	Matches:	11
Percent Similarity:	48.00%	Conservative:	1
Best Local Similarity:	44.00%	Mismatches:	13
Query Match:	30.34%	Indels:	0
DB:	10	Gaps:	0

US-09-485-951-3 (1-96) x US-09-800-729-94 (1-146)

Qy	20	TTCAGCTGGCTTCACAGGTCGCCAGCTGCTGTTCACACCCAGGGCCA	79
Db	19	PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer	38
Qy	80	GGGGCGCGACACAAA	94
Db	39	MetGlyIeuAspLys	43

RESULT 15

```

US-09-800-729-181
; Sequence 181, Application US/09800729
; Patent No. US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800.729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-181

```

Alignment Scores:			
Pred. No.:	26.9	Length:	210
Score:	54.00	Matches:	11
Percent Similarity:	48.00%	Conservative:	1
Best Local Similarity:	44.00%	Mismatches:	13
Query Match:	30.34%	Indels:	0
DB:	10	Gaps:	0

US-09-485-951-3 (1-96) x US-09-800-729-181 (1-210)

Qy	20	TTCCAGCTGCCTTCTCCACAGGTGCCGTTCTCTCCACAGCTGTCTGTGTTTCCACCCAGGCCCA	79
		::	
Db	83	PhcCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer	102
Qy	80	GGGGGGCGCAGACAAA	94
Db	103	MetGlyLeuAspLys	107

Search completed: November 24, 2002, 02:24:39
Job time : 17.5 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: November 23, 2002, 23:44:49 ; Search time 22.5 Seconds
(without alignments)
251.076 Million cell updates/sec

Title: US-09-485-951-3
Perfect score: 178
Sequence: 1 aaccccccacagtcctcgt.....ccagggggcgcagacaaaaa 96

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

-MODEL=frame+n2p.model -DEV=xlp
-O=/cgn2.1/USPTO.spool/US09485951/runat_20112002_094835_22086/app_query.fasta_1.263
-DB=Issued_Patents_AA -QFMT=fastan -SUFFIX=n2p.ra -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cd1
-LIST=45 -DOCALIGN=200 -THR_SCORE=ptc -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09485951@cgn1.1.7 @runat_20112002_094835_22086 -NCPU=6 -ICPU=3
-NO_XLPXY -NO_MAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG -DEV_TIMEOUT=120
-WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOB=6 -DELEXT=7

Database : Issued_Patents_AA:*
1: /cgn2.6/ptodata/2/1aa/5A_COMB.pep:*
2: /cgn2.6/ptodata/2/1aa/5B_COMB.pep:*
3: /cgn2.6/ptodata/2/1aa/6A_COMB.pep:*
4: /cgn2.6/ptodata/2/1aa/6B_COMB.pep:*
5: /cgn2.6/ptodata/2/1aa/PCTUS_COMB.pep:*
6: /cgn2.6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	56.5	30.7	534	2	US-08-691-814B-8
C 2	55.5	30.2	142	4	US-09-072-596-277
C 3	54.5	30.6	26	4	US-09-024-975-8
C 4	54	30.3	108	3	US-08-966-269-15
C 5	54	30.3	108	4	US-09-436-183A-15
C 6	54	30.3	125	3	US-08-966-269-4
C 7	54	30.3	125	4	US-09-436-183A-4
C 8	54	29.3	156	1	US-08-469-667-20
C 9	54	29.3	156	4	US-09-224-110-20
C 10	54	29.3	156	5	PCT-US95-07289-20
C 11	54	29.3	537	4	US-09-655-270A-11
C 12	54	29.3	537	4	US-09-651-941-11

ALIGNMENTS

RESULT 1

US-08-691-814B-8
; Sequence 8, Application US/08691814B
; Patent No. 5981218
; GENERAL INFORMATION:
; APPLICANT: Rio, Marie-Christine
; APPLICANT: Tomasetto, Catherine
; APPLICANT: Basset, Paul
; APPLICANT: Byrne, Jennifer
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful
; TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave, NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/691,814B
; FILING DATE: 31-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,183
; FILING DATE: 09-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1383.0090001
; TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2543
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 534 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-691-814B-8
Alignment Scores:
Pred. No.: 12.1 Length: 534
Score: 56.50 Matches: 13
Percent Similarity: 48.72% Conservative: 6
Best Local Similarity: 33.33% Mismatches: 9
Query Match: 30.71% Indels: 11
DB: 2 Gaps: 2

US-09-485-951-3 (1-96) x US-08-691-814B-8 (1-534)
QY 87 GCGCCCTCT-----GGGCTGGTGGGAACAGACAGGCTGGGAGACGGCACCGTGA 34
Db 265 SerProGlnArgAspProAsnTrpAsnGlyGluArgLeuAsnLysSerHisArgHis 284
QY 33 GAAGCGAGG-----CTGAACAGGAGGACTGTGCGGGG 4
Db 285 GlnGlyLeuGlyGlyThrLeuProProArgThrPheIleAsnArgAsnAlaAlaGly 303
RESULT 2
US-09-072-596-277
; Sequence 277, Application US/09072596
; Patent No. 6458366
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonia
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 350
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 05-MAY-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.417C9
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 277:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 142 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-072-596-277
Alignment Scores:
Pred. No.: 13.7 Length: 142
Score: 55.50 Matches: 12
Percent Similarity: 50.00% Conservative: 3
Best Local Similarity: 40.00% Mismatches: 6
Query Match: 30.16% Indels: 9
DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-072-596-277 (1-142)
QY 82 CCTGGGCTGGTGGGAACAGACAGGCT-----GGG 50
Db 29 ProTrpValThrLeuGlySerArgLeuAlaLaLeuProLysProLysArgAspTrpGly 48
QY 49 AGACGGCACCGTGGAGAACGACGAGCTGAA 20
Db 49 ArgLeuSerProTrpGlyArgLeuAlaGlu 58
RESULT 3
US-09-024-975-8
; Sequence 8, Application US/09024975
; Patent No. 6133233
; GENERAL INFORMATION:
; APPLICANT: ROSS, CHRISTOPHER R.
; APPLICANT: BLECHA, FRANK
; APPLICANT: SHI, JISHU
; TITLE OF INVENTION: PEPTIDE MODULATION OF REPERFUSION INJURY
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: KANSAS CITY
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,975
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/802,306
; FILING DATE: 18-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 25585-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-024-975-8
Alignment Scores:
Pred. No.: 14.7 Length: 26
Score: 54.50 Matches: 11
Percent Similarity: 66.67% Conservative: 5
Best Local Similarity: 45.83% Mismatches: 7
Query Match: 30.62% Indels: 1
DB: 4 Gaps: 1
```

```

US-09-485-951-3 (1-96) x US-09-024-975-8 (1-26)
QY 16 CCTGTTCCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGG 75
    |||:::|||||
Db 4 ProLeuArgProPheProPheProArgProLeu---TyrProProArg 22
QY 76 CCNAGGGGGCGC 87
    ||||| |||
Db 23 ProArgArgArg 26

RESULT 4
US-08-966-269-15
; Sequence 15, Application US/08966269
; Patent No. 6046000
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/08/966,269
; CURRENT FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-966-269-15

Alignment Scores:
Pred. No.: 20.8 Length: 108
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

US-09-485-951-3 (1-96) x US-08-966-269-15 (1-108)
QY 20 TTCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79
    |||:::|||||
Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36
QY 80 GGGGGCGCAGACAAA 94
    ||| |||||
Db 37 MetGlyLeuAspLys 41

RESULT 5
US-09-436-183A-15
; Sequence 15, Application US/09436183A
; Patent No. 6410315
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/09/436,183A
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: US 08/966,269
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-436-183A-15

Alignment Scores:
Pred. No.: 20.8 Length: 108
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

US-09-485-951-3 (1-96) x US-09-024-975-8 (1-26)
QY 16 CCTGTTCCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGG 75
    |||:::|||||
Db 4 ProLeuArgProPheProPheProArgProLeu---TyrProProArg 22
QY 76 CCNAGGGGGCGC 87
    ||||| |||
Db 23 ProArgArgArg 26

RESULT 4
US-08-966-269-15
; Sequence 15, Application US/08966269
; Patent No. 6046000
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/08/966,269
; CURRENT FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-966-269-15

Alignment Scores:
Pred. No.: 20.8 Length: 108
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

US-09-485-951-3 (1-96) x US-08-966-269-15 (1-108)
QY 20 TTCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79
    |||:::|||||
Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36
QY 80 GGGGGCGCAGACAAA 94
    ||| |||||
Db 37 MetGlyLeuAspLys 41

RESULT 5
US-09-436-183A-15
; Sequence 15, Application US/09436183A
; Patent No. 6410315
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/09/436,183A
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: US 08/966,269
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-436-183A-15

Alignment Scores:
Pred. No.: 20.8 Length: 108
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

US-09-485-951-3 (1-96) x US-09-436-183A-15 (1-108)
QY 20 TTCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79
    |||:::|||||
Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36
QY 80 GGGGGCGCAGACAAA 94
    ||| |||||
Db 37 MetGlyLeuAspLys 41

RESULT 6
US-08-966-269-4
; Sequence 4, Application US/08966269
; Patent No. 6046000
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/08/966,269
; CURRENT FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-966-269-4

Alignment Scores:
Pred. No.: 21.2 Length: 125
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

US-09-485-951-3 (1-96) x US-08-966-269-4 (1-125)
QY 20 TTCAGCTGCTTCTCCACGGTGCCGTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79
    |||:::|||||
Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36
QY 80 GGGGGCGCAGACAAA 94
    ||| |||||
Db 37 MetGlyLeuAspLys 41

RESULT 7
US-09-436-183A-4
; Sequence 4, Application US/09436183A
; Patent No. 6410315
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Kuranda, Michael Joseph
; APPLICANT: Bulawa, Christine Ellen
; APPLICANT: Bossone, Steven
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
; FILE REFERENCE: 09404/032001
; CURRENT APPLICATION NUMBER: US/09/436,183A
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: US 08/966,269
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-436-183A-4

Alignment Scores:
Pred. No.: 21.2 Length: 125
Score: 54.00 Matches: 11
Percent Similarity: 48.00% Conservative: 1
Best Local Similarity: 44.00% Mismatches: 13
Query Match: 30.34% Indels: 0
DB: Gaps: 0

```

```

; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEO for Windows Version 3.0

```


; LENGTH: 537
; TYPE: PRT
; ORGANISM: Rhodococcus erythropolis HL PM-1
US-09-955-597-11

Alignment Scores:
Pred. No.: 25.8 Length: 537
Score: 54.00 Matches: 8
Percent Similarity: 45.00% Conservative: 1
Best Local Similarity: 40.00% Mismatches: 11
Query Match: 29.35% Indels: 0
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-955-597-11 (1-537)

QY 94 TTGTGTCGGCCCTGGCGCTGGTGGGAACAGACAGCGTGGGAGACGGCAGCGTGG 35
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyGlyLeuMetLeuGlyLeuValProTrp 252

RESULT 14

US-08-217-327-4
; Sequence 4, Application US/08217327
; Patent No. 5474925
; GENERAL INFORMATION:
; APPLICANT: John, Maliyakal E
; APPLICANT: Barton, Kenneth A
; TITLE OF INVENTION: Immobilized Proteins in Cotton Fiber
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles and Brady
; STREET: P.O. Box 2113
; CITY: Madison
; STATE: WI
; COUNTRY: USA
; ZIP: 53701-2113

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/217,327
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/812,233
; FILING DATE: 13-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 1122990831
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 214 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-217-327-4

Alignment Scores:
Pred. No.: 35.9 Length: 214
Score: 52.50 Matches: 13
Percent Similarity: 57.58% Conservative: 6
Best Local Similarity: 39.39% Mismatches: 11
Query Match: 29.49% Indels: 3
DB: 1 Gaps: 2

US-09-485-951-3 (1-96) x US-08-217-327-4 (1-214)

QY 2 ACCCCGCGACAGTCC---CTGTTCAGCCTGCCTTCCTCCA-----CGTGGCGTTCTCC

Db 154 SerProValGlnThrProLeuThrSerProAlaProThrProThruAlaProAlaPro 173
QY 53 AGCCTGTCTGTTCACACCCAGCGCCAGGGGCGGAC 91
Db 174 ThrLeuGlyAlaAlaThrProGlyProAlaGlyThrAsp 186

RESULT 15

US-09-110-517-2
; Sequence 2, Application US/09110517A
; Patent No. 6248520
; GENERAL INFORMATION:
; APPLICANT: Roeder, Robert G
; APPLICANT: Pondell, Joseph D
; APPLICANT: Yuan, Chao X
; APPLICANT: Ito, Mitsuhiro
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NUCLEAR HORMONE
; TITLE OF INVENTION: RECEPTOR COACTIVATORS AND USES THEREOF
; FILE REFERENCE: 600-1-224
; CURRENT APPLICATION NUMBER: US/09/110,517A
; CURRENT FILING DATE: 1998-07-06
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1581
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-110-517-2

Alignment Scores:
Pred. No.: 47 Length: 1581
Score: 52.50 Matches: 12
Percent Similarity: 64.00% Conservative: 4
Best Local Similarity: 48.00% Mismatches: 8
Query Match: 29.49% Indels: 1
DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-110-517-2 (1-1581)

QY 23 AGCCTGCCTTCACAGCGTGCCTCCAGCGCTGTCTCCAGCGCTGTCTTCCACCCA 79
Db 1180 SerLeuMetAsnProSerLeuSerLysProAsnIleSerProSerHisSerArgPro 1199
QY 80 GGGGGCGCAGACAAA 94
Db 1200 GlyGlySerAspLys 1204

Search completed: November 24, 2002, 02:15:12
Job time : 24.5 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:31:04 ; Search time 10 Seconds
(without alignments)
555,983 Million cell updates/sec

Title: US-09-485-951-2
Perfect score: 355
Sequence: 1 MAFSGSQAPYLSPAVPSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 100480 seqs, 15661496 residues

Word size : 0

Total number of hits satisfying chosen parameters: 100480

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published_Applications_AA.*

- 1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PTCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/ECTUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	355	100.0	378	10	US-09-738-973-439
2	175	49.3	323	10	US-09-728-479-2
3	163	45.9	311	10	US-09-263-689-4
4	148	41.7	168	10	US-09-922-217-199
5	148	41.7	168	10	US-09-833-263-199
6	89	25.1	323	10	US-09-728-479-12
7	69	19.4	145	10	US-09-894-526-3
8	69	19.4	145	10	US-09-894-526-3
9	38	10.7	97	10	US-09-925-301-1437
10	20	5.6	145	10	US-09-728-479-8
11	20	5.6	145	10	US-09-894-526-5
12	20	5.6	145	10	US-09-263-689-12
13	13	3.7	322	10	US-09-728-479-11
14	12	3.4	262	10	US-09-263-689-14
15	10	2.8	39	9	US-09-975-143-12
16	10	2.8	41	9	US-09-975-143-13
17	10	2.8	324	10	US-09-728-479-7
18	10	2.8	324	10	US-09-263-689-11
19	10	2.8	336	10	US-09-747-804-1

20	8	2.3	41	9	US-09-975-143-14	Sequence 14, Appl
21	8	2.3	41	9	US-09-975-143-16	Sequence 16, Appl
22	8	2.3	149	10	US-09-728-479-6	Sequence 6, Appl
23	8	2.3	200	10	US-09-263-689-8	Sequence 8, Appl
24	8	2.3	250	9	US-09-981-353-127	Sequence 127, App
25	8	2.3	250	10	US-09-263-689-10	Sequence 10, Appl
26	8	2.3	315	10	US-09-728-479-10	Sequence 5, Appl
27	8	2.3	316	10	US-09-747-804-5	Sequence 15, Appl
28	8	2.3	316	10	US-09-263-689-15	Sequence 15, Appl
29	8	2.3	316	10	US-09-263-689-17	Sequence 17, Appl
30	8	2.3	317	10	US-09-263-689-6	Sequence 6, Appl
31	8	2.3	323	9	US-09-981-353-110	Sequence 110, App
32	8	2.3	323	10	US-09-802-674-2	Sequence 2, Appl
33	8	2.3	323	10	US-09-922-217-1064	Sequence 1064, Ap
34	8	2.3	323	10	US-09-833-263-1064	Sequence 1064, Ap
35	8	2.3	323	10	US-09-263-689-2	Sequence 2, Appl
36	8	2.3	329	10	US-09-802-674-13	Sequence 13, Appl
37	8	2.3	1433	10	US-09-801-368-60	Sequence 60, Appl
38	7	2.0	49	9	US-09-975-143-36	Sequence 36, Appl
39	7	2.0	49	9	US-09-975-143-36	Sequence 1147, Ap
40	7	2.0	58	10	US-09-925-300-1147	Sequence 4469, A
41	7	2.0	64	10	US-09-864-761-4469	Sequence 1250, Ap
42	7	2.0	167	10	US-09-867-550-1250	Sequence 1345, Ap
43	7	2.0	202	10	US-09-925-300-1345	Sequence 1169, Ap
44	7	2.0	277	10	US-09-925-300-1169	Sequence 11204, A
45	7	2.0	296	10	US-09-815-242-11204	

ALIGNMENTS

RESULT 1
US-09-738-973-439
; Sequence 439, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 439
; LENGTH: 378
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-439

Query Match 100.0%; Score 355; DB 10; Length 378;
Best Local Similarity 100.0%; Pred No. 0;
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MAFSGSQAPYLSPAVPSGT	IQGGLQDGLQITVNGTVLSSGTRFAVNFOTGSGNDIAF	60
Db	24	MAFSGSQAPYLSPAVPSGT	IQGGLQDGLQITVNGTVLSSGTRFAVNFOTGSGNDIAF	83
QY	61	HFNPREDGGYVVCNTRQNSWGPERKTHMPKQKMPFDLCFLVQSSDFKVMVNGILFV	120	
Db	84	HFNPREDGGYVVCNTRQNSWGPERKTHMPKQKMPFDLCFLVQSSDFKVMVNGILFV	143	

QY 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFQPVCFPPRGRQK 180
Db 144 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFQPVCFPPRGRQK 203
QY 181 PPGVWPANPAPITQVIHTVQSAPQOMESTPAIPPMYPHPAYPMPTITILGGLYPSKS 240
Db 204 PPGVWPANPAPITQVIHTVQSAPQOMESTPAIPPMYPHPAYPMPTITILGGLYPSKS 263
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 264 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 323
QY 301 VRQGSFVWLCEAHLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 324 VRQGSFVWLCEAHLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 378

RESULT 2

US-09-728-479-2
; Sequence 2, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-2

Query Match 49.3%; Score 175; DB 10; Length 323;
Best Local Similarity 100.0%; Pred. No. 9.9e-161;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 PPGVWPANPAPITQVIHTVQSAPQOMESTPAIPPMYPHPAYPMPTITILGGLYPSKS 240
Db 149 PPGVWPANPAPITQVIHTVQSAPQOMESTPAIPPMYPHPAYPMPTITILGGLYPSKS 208
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 209 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 268
QY 301 VRQGSFVWLCEAHLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 269 VRQGSFVWLCEAHLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 323

RESULT 3

US-09-263-689-4
; Sequence 4, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.

; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,689
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/946,914
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-263-689-4
Query Match 45.9%; Score 163; DB 10; Length 311;
Best Local Similarity 100.0%; Pred. No. 3.3e-149;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 193 TOTVHTVQSAPQOMFSTPAIPPMYPHPAYPMPTITILGGLYPSKSILLSGTVLPSAQ 252
Db 149 TOTVHTVQSAPQOMFSTPAIPPMYPHPAYPMPTITILGGLYPSKSILLSGTVLPSAQ 208
QY 253 RPHINLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPFVRGGSFVWLCL 312
Db 209 RPHINLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPFVRGGSFVWLCL 268
QY 313 EAHCLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 269 EAHCLKVAVDQHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 311

RESULT 4

US-09-922-217-199
; Sequence 199, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 199
; LENGTH: 168
; TYPE: PRT


```

; ORGANISM: Homo sapiens
US-09-922-217-199

Query Match          41.7%; Score 148; DB 10; Length 168;
Best Local Similarity 100.0%; Pred. No. 5e-135;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY   1  MAFGSGOAPYLSPAVPSGTTGGGLQGDLQITVNGTVLSSSCTRFAVNFOQTGFSGNDIAF  60
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       7  MAFGSGOAPYLSPAVPSGTTGGGLQGDLQITVNGTVLSSSCTRFAVNFOQTGFSGNDIAF  66

QY   61 HFNPRFDGGVVVCNTRONGSWGPEERKTHMPFKGMPPDLCFLVQSDDFKVMVNGILFY  120
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       67 HFNPRFDGGVVVCNTRONGSWGPEERKTHMPFKGMPPDLCFLVQSDDFKVMVNGILFY  126

QY   121 QYHRVPFHRRVDTISVNGSVOLSYISFQ  148
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       127 QYHRVPFHRRVDTISVNGSVOLSYISFQ  154

RESULT 5
US-09-833-263-199
; Sequence 199, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.47IC12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 199
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-833-263-199

Query Match          41.7%; Score 148; DB 10; Length 168;
Best Local Similarity 100.0%; Pred. No. 5e-135;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY   1  MAFGSGOAPYLSPAVPSGTTGGGLQGDLQITVNGTVLSSSCTRFAVNFOQTGFSGNDIAF  60
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       7  MAFGSGOAPYLSPAVPSGTTGGGLQGDLQITVNGTVLSSSCTRFAVNFOQTGFSGNDIAF  66

QY   61 HFNPRFDGGVVVCNTRONGSWGPEERKTHMPFKGMPPDLCFLVQSDDFKVMVNGILFY  120
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       67 HFNPRFDGGVVVCNTRONGSWGPEERKTHMPFKGMPPDLCFLVQSDDFKVMVNGILFY  126

QY   121 QYHRVPFHRRVDTISVNGSVOLSYISFQ  148
Db    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
       127 QYHRVPFHRRVDTISVNGSVOLSYISFQ  154

RESULT 6
US-09-728-479-12
; Sequence 12, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGRASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: BOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/Jp99/02952
; PRIOR FILING DATE: 1999-06-02
```

```

; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-12

      Query Match          25.1%; Score 89; DB 10; Length 323;
      Best Local Similarity 100.0%; Pred.No.4.6e-78;
      Matches 89; Conservative 0; Mismatches 0; Indels 0; Gaps
      0;

Qy 181 PPGVWPANPAPIQTQVHTVQSAPGQMFSTPAIPPMYPHPAYPMPFITITLGLGPSKS 240
Db 149 PPGVWPANPAPIQTQVHTVQSAPGQMFSTPAIPPMYPHPAYPMPFITITLGLGPSKS 240
Qy 241 ILLSGTVLPSAQRPHINLCSGNHIAPHLN 269
Db 209 ILLSGTVLPSAQRPHINLCSGNHIAPHLN 237

RESULT 7
US-09-894-526-1
; Sequence 1, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-894-526-1

      Query Match          19.4%; Score 69; DB 10; Length 145;
      Best Local Similarity 100.0%; Pred.No.3.9e-59;
      Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps
      0;

```

```

; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-12

Query Match      25.1%; Score 89; DB 10; Length 323
Best Local Similarity 100.0%; Pred. No. 4.6e-78;
Matches 89; Conservative 0; Mismatches 0; Indels

Qy 181 PPGVWPANPAPITQTQVIHTVQSAPGQMFSTPAIPPMYPHPAYMPMPFITILGG
Db 149 PPGVWPANPAPITQTQVIHTVQSAPGQMFSTPAIPPMYPHPAYMPMPFITILGG
Qy 241 ILLSGTVLPQAORFHINLCSGNHIAFHLN 269
Db 209 ILLSGTVLPQAORFHINLCSGNHIAFHLN 237

RESULT 7
US-09-894-526-1
; Sequence 1, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-894-526-1

Query Match      19.4%; Score 69; DB 10; Length 145
Best Local Similarity 100.0%; Pred. No. 3.9e-59;
Matches 69; Conservative 0; Mismatches 0; Indels

```

QY 287 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPINRLEVG 346
Db 77 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPINRLEVG 136

QY 347 DIQLTHVQT 355
Db 137 DIQLTHVQT 145

RESULT 8

US-09-894-526-3
; Sequence 3, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/894,526
FILING DATE: 27-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/788,584
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0192 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-894-526-3

Query Match 19.4%; Score 69; DB 10; Length 149;
Best Local Similarity 100.0%; Pred. No. 4e-59;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 287 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPINRLEVG 346
Db 81 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPINRLEVG 140

QY 347 DIQLTHVQT 355
Db 141 DIQLTHVQT 149

RESULT 9

US-09-925-301-1437
; Sequence 1437, Application US/09925301

; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1437
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (28)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1437

Query Match 10.7%; Score 38; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.7e-29;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SQAPYLSPAVPFSGTIQGGIQLDGLQITVNGTVLSSSGT 43
Db 29 SQAPYLSPAVPFSGTIQGGIQLDGLQITVNGTVLSSSGT 66

RESULT 10

US-09-728-479-8
; Sequence 8, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-728-479-8

Query Match 5.6%; Score 20; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.9e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAFHLNPRFDENAVVRNTQI 283
Db 54 IAFHLNPRFDENAVVRNTQI 73

RESULT 11

US-09-894-526-5
; Sequence 5, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga

```
;
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 727176
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-894-526-5

Query Match 5.6%; Score 20; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.9e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAFHLNPFEDENAVVRNTQI 283
Db 54 IAFHLNPFEDENAVVRNTQI 73

RESULT 12
US-09-263-689-12
; Sequence 12, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,689
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/946,914
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-263-689-12

Query Match 5.6%; Score 20; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.9e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAFHLNPFEDENAVVRNTQI 283
Db 54 IAFHLNPFEDENAVVRNTQI 73

RESULT 13
US-09-728-479-11
; Sequence 11, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus sp.
; US-09-728-479-11

Query Match 3.7%; Score 13; DB 10; Length 322;
Best Local Similarity 100.0%; Pred. No. 5.3e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAFHFNPRFE 67
Db 54 GNDIAFHFNPRFE 66

RESULT 14
US-09-263-689-14
; Sequence 14, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
```

;; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
;; NUMBER OF SEQUENCES: 60
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
;; STREET: 1100 New York Ave., Suite 600
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: USA
;; ZIP: 20005-3934
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/263,689
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/946,914
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Steffe, Eric K.
;; REGISTRATION NUMBER: 36,688
;; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-371-2600
;; TELEFAX: 202-371-2540
;; INFORMATION FOR SEQ ID NO: 14:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 262 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-263-689-14

Query Match 3.4%; Score 12; DB 10; Length 262;
Best Local Similarity 100.0%; Pred. No. 0.0004;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAFHFNPRF 66
Db 164 GNDIAFHFNPRF 175

RESULT 15

US-09-975-143-12
; Sequence 12, Application US/09975143
; Patent No. US2002015513A1
; GENERAL INFORMATION:
; APPLICANT: HSU, Daniel, K.
; APPLICANT: LIU, Fu-Tong
; APPLICANT: DOWLING, Christopher, A.
; TITLE OF INVENTION: GALECTIN EXPRESSION IS INDUCED IN
; FILE REFERENCE: CIRRHOTIC LIVER AND HEPATOCELLULAR CARCINOMA
; FILE REFERENCE: DANHSU.001C1
; CURRENT APPLICATION NUMBER: US/09/975,143
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08561
; PRIOR FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 39
; TYPE: PRT
; ORGANISM: chicken
US-09-975-143-12

Query Match 2.8%; Score 10; DB 9; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 DIAFHFNPRF 66
Db 22 DIAFHFNPRF 31

Search completed: November 24, 2002, 02:34:56
Job time : 11 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:25:24 ; Search time 19 Seconds
(without alignments)
549.744 Million cell updates/sec

Title: US-09-485-951-2
Perfect score: 355
Sequence: 1 MAFSGSQAPYLSPVPSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 0
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCRUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	163	45.9	311	3	US-08-946-914-4
2	163	45.9	311	4	US-09-656-450-4
3	69	19.4	145	2	US-08-788-584-1
4	69	19.4	149	2	US-08-788-584-3
5	20	5.6	145	2	US-08-788-584-5
6	20	5.6	145	3	US-08-946-914-12
7	20	5.6	145	4	US-09-656-450-12
8	12	3.4	262	3	US-08-946-914-14
9	12	3.4	262	4	US-09-656-450-14
10	10	2.8	324	3	US-08-946-914-11
11	10	2.8	324	4	US-09-656-450-11
12	10	2.8	336	4	US-09-131-648-1
13	8	2.3	200	3	US-08-946-914-8
14	8	2.3	200	4	US-09-656-450-8
15	8	2.3	250	1	US-08-562-311-2
16	8	2.3	250	3	US-08-946-914-10
17	8	2.3	250	4	US-09-656-450-10
18	8	2.3	264	1	US-08-562-311-4
19	8	2.3	264	2	US-08-728-521-1
20	8	2.3	264	4	US-09-212-146-1
21	8	2.3	316	2	US-08-728-521-3
22	8	2.3	316	2	US-08-647-960-2
23	8	2.3	316	3	US-08-946-914-15
24	8	2.3	316	3	US-08-946-914-17
25	8	2.3	316	4	US-09-131-648-5
26	8	2.3	316	4	US-09-212-146-3
27	8	2.3	316	4	US-09-656-450-15

28	8	2.3	316	4	US-09-656-450-17	Sequence 17, Appl
29	8	2.3	317	3	US-08-946-914-6	Sequence 6, Appl
30	8	2.3	317	4	US-09-656-450-6	Sequence 6, Appl
31	8	2.3	323	1	US-08-469-667-16	Sequence 16, Appl
32	8	2.3	323	3	US-08-946-914-2	Sequence 2, Appl
33	8	2.3	323	4	US-09-224-110-16	Sequence 16, Appl
34	8	2.3	323	5	US-09-656-450-2	Sequence 2, Appl
35	8	2.3	323	5	PCT-US95-07289-16	Sequence 16, Appl
36	7	2.0	147	2	US-08-647-960-7	Sequence 7, Appl
37	7	2.0	345	1	US-08-171-382-6	Sequence 6, Appl
38	7	2.0	345	1	US-08-309-420-6	Sequence 6, Appl
39	7	2.0	345	1	US-08-309-419-6	Sequence 6, Appl
40	7	2.0	345	4	US-09-294-531B-31	Sequence 31, Appl
41	7	2.0	345	5	PCT-US95-11856-6	Sequence 6, Appl
42	7	2.0	345	5	PCT-US95-11878-6	Sequence 6, Appl
43	7	2.0	454	1	US-08-171-382-4	Sequence 4, Appl
44	7	2.0	454	1	US-08-309-420-4	Sequence 4, Appl
45	7	2.0	454	1	US-08-309-419-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-08-946-914-4
; Sequence 4, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/946,914
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SCW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-946-914-4

Query Match 45.9%; Score 163; DB 3; Length 311;
Best Local Similarity 100.0%; Pred. No. 4.5e-152; Indels 0; Gaps 0;
Matches 163; Conservative 0; Mismatches 0;
OY 193 TOTVHTVQSGPQMFSTPAIPPMYPAYPMPTITLGLYPSKILLSGTLPSAQ 252
|||||

```
Db 149 TQTVIHTVQSAPQMFSTPAIPPMYTHPAYMPFTTITLGGLYPSKILLSGTVLPQAQ 208
QY 253 RFHINLCSGNHIAFLHNPREDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 312
Db 209 RFHINLCSGNHIAFLHNPREDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 268
QY 313 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 355
Db 269 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 311

RESULT 2
US-09-656-450-4
; Sequence 4, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; PRIORITY FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-450-4

Query Match 45.9%; Score 163; DB 4; Length 311;
Best Local Similarity 100.0%; Pred. No. 4.5e-152;
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 193 TQTVIHTVQSAPQMFSTPAIPPMYTHPAYMPFTTITLGGLYPSKILLSGTVLPQAQ 252
Db 149 TQTVIHTVQSAPQMFSTPAIPPMYTHPAYMPFTTITLGGLYPSKILLSGTVLPQAQ 208
QY 253 RFHINLCSGNHIAFLHNPREDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 312
Db 209 RFHINLCSGNHIAFLHNPREDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 268
QY 313 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 355
Db 269 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 311

RESULT 3
US-08-788-584-1
; Sequence 1, Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0355
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-788-584-1

Query Match 19.4%; Score 69; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.1e-60;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 287 WGSEERSLPRKMPFVRGQSFVWILCEAHLKVAVDQGHLEFYHRLRNLPTINRLEVGG 346
Db 77 WGSEERSLPRKMPFVRGQSFVWILCEAHLKVAVDQGHLEFYHRLRNLPTINRLEVGG 136
QY 347 DIQLTHVQT 355
Db 137 DIQLTHVQT 145

RESULT 4
US-08-788-584-3
; Sequence 3, Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
```

```
;
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-788-584-3
;
Query Match 19.4%; Score 69; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 287 WGSERSLPKMPFVRGQSFVWILCEAHCLKVAVDGOHLEFYHRLRNLTINRLEVG 346
Db 81 WGSERSLPKMPFVRGQSFVWILCEAHCLKVAVDGOHLEFYHRLRNLTINRLEVG 140

Qy 347 DIQLTHVQT 355
Db 141 DIQLTHVQT 149

RESULT 5
US-08-788-584-5
; Sequence 5, Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Pettithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 72716
```

```
US-08-788-584-5
;
Query Match 5.6%; Score 20; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.1e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPRFDENAVVRNTQI 283
Db 54 IAFHLNPRFDENAVVRNTQI 73

RESULT 6
US-08-946-914-12
; Sequence 12, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
;
US-08-946-914-12
;
Query Match 5.6%; Score 20; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.1e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPRFDENAVVRNTQI 283
Db 54 IAFHLNPRFDENAVVRNTQI 73

RESULT 7
US-09-656-450-12
; Sequence 12, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
```

```

; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Rat
US-09-656-450-12

Query Match
Best Local Similarity 100.0%; Score 20; DB 4; Length 145;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAEHLNPRDENAVVRNTQI 283
Db 54 IAEHLNPRDENAVVRNTQI 73

RESULT 8
US-08-946-914-14
; Sequence 14, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-946-914-14

Query Match
3.4%; Score 12; DB 3; Length 262;

```

```

Best Local Similarity 100.0%; Pred. No. 0.00064;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAHFHNPFRF 66
Db 164 GNDIAHFHNPFRF 175

RESULT 9
US-09-656-450-14
; Sequence 14, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Rat
US-09-656-450-14

Query Match
3.4%; Score 12; DB 4; Length 262;
Best Local Similarity 100.0%; Pred. No. 0.00064;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAHFHNPFRF 66
Db 164 GNDIAHFHNPFRF 175

RESULT 10
US-08-946-914-11
; Sequence 11, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:

```



```
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 324 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-11

Query Match      2.8%; Score 10; DB 3; Length 324;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAHFNPFRF 66
| | | | | | | |
Db 59 DIAHFNPFRF 68

RESULT 11
US-09-656-450-11
; Sequence 11, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Rat
; US-09-656-450-11

Query Match      2.8%; Score 10; DB 4; Length 324;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAHFNPFRF 66
| | | | | | | |
Db 59 DIAHFNPFRF 68

RESULT 12
US-09-131-648-1
; Sequence 1, Application US/09131648
; Patent No. 6168920
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: EXTRACELLULAR ADHESIVE PROTEINS
; FILE REFERENCE: PF-0576 US
; CURRENT APPLICATION NUMBER: US/09/131,648
; CURRENT FILING DATE: 1998-08-10
```

```
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2635136
; US-09-131-648-1

Query Match      2.8%; Score 10; DB 4; Length 336;
Best Local Similarity 100.0%; Pred. No. 0.074;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAHFNPFRF 66
| | | | | | | |
Db 91 DIAHFNPFRF 100

RESULT 13
US-08-946-914-8
; Sequence 8, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steirne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 200 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-8

Query Match      2.3%; Score 8; DB 3; Length 200;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 59 AFHFNPFRF 66
| | | | | | | |
Db 63 AFHFNPFRF 70

RESULT 14
```

US-09-656-450-8
; Sequence 8, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-450-8

Query Match 2.3%; Score 8; DB 4; Length 200;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AFHFNPRF 66
|||||||
Db 63 AFHFNPRF 70

RESULT 15
US-08-562-311-2
; Sequence 2, Application US/08562311
; Patent No. 5801002
; GENERAL INFORMATION:
; APPLICANT: RAZ, AVRAHAM
; TITLE OF INVENTION: A METHOD OF DETERMINING THE PROBABILITY
; OF METASTASIS IN A CELL SAMPLE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dykema Gossett
; STREET: STE 505 N. Woodward
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: U.S.
; ZIP: 48304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/562,311
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/188,225
; FILING DATE:
; APPLICATION NUMBER: US 07/681,242
; FILING DATE: 04-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/294,249
; FILING DATE: 01-JUN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: KELLY, ROBERT L.
; REGISTRATION NUMBER: 31,843
; REFERENCE/DOCKET NUMBER: 61,686-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 810-540-0849

; TELEFAX: 810-540-0763
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-562-311-2

Query Match 2.3%; Score 8; DB 1; Length 250;
Best Local Similarity 100.0%; Pred. No. 5.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AFHFNPRF 66
|||||||
Db 156 AFHFNPRF 163

Search completed: November 24, 2002, 02:31:33
Job time : 20 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:24:44 ; Search time 15.5943 Seconds
(without alignments)
356.529 Million cell updates/sec

Title: US-09-485-951-2
Perfect score: 1917
Sequence: 1 MAFSGSQAPYLSAPVPSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 100480 seqs, 15661496 residues

Total number of hits satisfying chosen parameters: 100480

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : PublishedApplications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1917	100.0	378	10	US-09-738-973-439
2	1707	89.0	323	10	US-09-728-479-2
3	1687	88.0	323	10	US-09-728-479-12
4	1633	85.2	311	10	US-09-263-689-4
5	1219.5	63.6	322	10	US-09-728-479-11
6	846	44.1	168	10	US-09-922-217-199
7	846	44.1	168	10	US-09-833-263-199
8	783	40.8	149	10	US-09-894-526-3
9	661	34.5	145	10	US-09-894-526-1
10	603.5	31.5	324	10	US-09-728-479-7
11	603.5	31.5	324	10	US-09-263-689-11
12	574	29.9	323	9	US-09-981-353-110
13	574	29.9	323	10	US-09-802-674-2
14	574	29.9	323	10	US-09-922-217-1064
15	574	29.9	323	10	US-09-833-263-1064
16	574	29.9	323	10	US-09-263-689-2
17	574	29.9	329	10	US-09-802-674-13
18	535	27.9	145	10	US-09-728-479-8
19	535	27.9	145	10	US-09-894-526-5

20	535	27.9	145	10	US-09-263-689-12	Sequence 12, Appl
21	472.5	24.6	316	10	US-09-747-804-5	Sequence 5, Appl
22	471.5	24.6	317	10	US-09-263-689-6	Sequence 6, Appl
23	455.5	23.8	315	10	US-09-728-479-10	Sequence 10, Appl
24	454.5	23.7	316	10	US-09-263-689-15	Sequence 15, Appl
25	454.5	23.7	316	10	US-09-263-689-17	Sequence 17, Appl
26	323	16.8	97	10	US-09-925-301-1437	Sequence 1437, Ap
27	321.5	16.8	336	10	US-09-747-804-1	Sequence 1, Appl
28	321	16.7	262	10	US-09-263-689-14	Sequence 14, Appl
29	318.5	16.6	250	9	US-09-981-353-127	Sequence 127, App
30	318.5	16.6	250	10	US-09-263-689-10	Sequence 10, Appl
31	284.5	14.8	149	10	US-09-728-479-6	Sequence 6, Appl
32	255	13.3	200	10	US-09-263-689-8	Sequence 8, Appl
33	230.5	12.0	136	10	US-09-728-479-9	Sequence 9, Appl
34	230.5	12.0	136	10	US-09-263-689-13	Sequence 13, Appl
35	220.5	11.5	196	10	US-09-768-826-55	Sequence 55, Appl
36	195.5	10.2	125	10	US-09-768-826-36	Sequence 36, Appl
37	178.5	9.3	139	9	US-09-949-842-15	Sequence 15, Appl
38	174	9.1	175	9	US-09-860-670-98	Sequence 98, Appl
39	174	9.1	175	10	US-09-764-903-37	Sequence 37, Appl
40	154	8.0	135	10	US-09-728-479-4	Sequence 4, Appl
41	154	8.0	135	10	US-09-919-497-81	Sequence 81, Appl
42	154	8.0	135	10	US-09-919-172-91	Sequence 91, Appl
43	154	8.0	135	10	US-09-263-689-16	Sequence 16, Appl
44	140.5	7.3	69	10	US-09-738-973-76	Sequence 76, Appl
45	140	7.3	45	9	US-09-975-143-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-09-738-973-439
; Sequence 439, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738.973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 439
; LENGTH: 378
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-439

Query Match 100.0%; Score 1917; DB 10; Length 378;
Best Local Similarity 100.0%; Pred. No. 4.6e-158;
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MAFSGSQAPYLSAPVPSGTITVNGTIVLSSSGTRFAVNFTGFGSNDIAF	60
Db	24	MAFSGSQAPYLSAPVPSGTITVNGTIVLSSSGTRFAVNFTGFGSNDIAF	83
Qy	61	HFNPRFDGGYVNCNTRQNGSWGPFERKTHMPFQKGPFDLCFLVQSSDFKVMVNGILFV	120
Db	84	HFNPRFDGGYVNCNTRQNGSWGPFERKTHMPFQKGPFDLCFLVQSSDFKVMVNGILFV	143

QY 121 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180
Db 144 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 203
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240
Db 204 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 263
QY 241 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 264 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 323
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355
Db 324 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 378

RESULT 2

US-09-728-479-2
; Sequence 2, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-2

Query Match 89.0%; Score 1707; DB 10; Length 323;
Best Local Similarity 90.7%; Pred. No. 4.9e-140;
Matches 322; Conservative 0; Mismatches 1; Indels 32; Gaps 1;

QY 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF 60
Db 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF 60
QY 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFKGMPDLCFLVQSSDFKVMVNGILFV 120
Db 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFKGMPDLCFLVQSSDFKVMVNGILFV 120
QY 121 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180
Db 121 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 148
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240
Db 149 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 208
QY 241 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 209 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 268
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355
Db 269 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 323

RESULT 3

US-09-728-479-12
; Sequence 12, Application US/09728479

; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-12

Query Match 88.0%; Score 1687; DB 10; Length 323;
Best Local Similarity 89.9%; Pred. No. 2.6e-138;
Matches 319; Conservative 1; Mismatches 3; Indels 32; Gaps 1;
QY 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF 60
Db 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF 60
QY 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFKGMPDLCFLVQSSDFKVMVNGILFV 120
Db 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFKGMPDLCFLVQSSDFKVMVNGILFV 120
QY 121 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180
Db 121 QYHRVPPHVRDTSVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 148
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240
Db 149 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 208
QY 241 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 209 ILLSGTVLPSAQRHINLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 268
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355
Db 269 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 323

RESULT 4

US-09-263-689-4
; Sequence 4, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

Db 127 QYEHVPFHRVDTSVNGSVQLSYISFQ-----154
QY 181 PPGWNPANPAPITQ 194
Db 155 PPGWNPANPAPITQ 168

RESULT 7
US-09-833-263-199
; Sequence 199, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 199
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-833-263-199

Query Match 44.1%; Score 846; DB 10; Length 168;
Best Local Similarity 83.5%; Pred. No. 4.1e-66;
Matches 162; Conservative 0; Mismatches 0; Indels 32; Gaps 1;
QY 1 MAFSGSOAPVLSPAVPSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAF 60
Db 7 MAFSGSOAPVLSPAVPSGTIOGGLQDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAF 66
QY 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPQKGMFDCFLVQSSDFKVMVNGILFV 120
Db 67 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPQKGMFDCFLVQSSDFKVMVNGILFV 126
QY 121 QYFHRVPFHRVDTSVNGSVQLSYISFQVQPAFSTVPFQVCPFPPRRRRQK 180
Db 127 QYFHRVPFHRVDTSVNGSVQLSYISFQ-----154
QY 181 PPGWNPANPAPITQ 194
Db 155 PPGWNPANPAPITQ 168

RESULT 8
US-09-894-526-3
; Sequence 3, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-894-526-3
Query Match 40.8%; Score 783; DB 10; Length 149;
Best Local Similarity 97.3%; Pred. No. 9.5e-61;
Matches 145; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 207 MFSTPAIPPMYPHPAYPMPPFTITLGGLYPSKSILLSTGLVLPSSAQRHINLCSGNHIAF 266
Db 1 MFSTXGIPPMYPHPGYPMPFTITLGGLYPSKSILLSTGLVLPSSAQRHINLCSGNHIAF 60
QY 267 HLNPRFEDNAVVRNTQIDNSWGESEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 326
Db 61 HLNPRFEDNAVVRNTQIDNSWGESEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 120
QY 327 FEYHHLRLNLPINRLEVGGDIQLTHVQT 355
Db 121 FEYHHLRLNLPINRLEVGGDIQLTHVQT 149
RESULT 9
US-09-894-526-1
; Sequence 1, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0192 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-894-526-1
Query Match 34.5%; Score 661; DB 10; Length 145;
Best Local Similarity 90.5%; Pred. No. 3.le-50;
Matches 124; Conservative 3; Mismatches 10; Indels 0; Gaps 0;
QY 219 PHPAYMPFITTILGGLYPSKILLSGTLVPSAQRHINLCSGNHIAFLNPRFEDENAVV 278
Db 9 PYLSPXVPFSGTXGGLYPSKILLSGTLVPSAQRHINLCSGNHIGFLNPRFEDENAVV 68
QY 279 RNTQIDNSWSEERSLPRKMPFVRGQSFWSWILCEAHLKLVAVDQHLFEYHRLNPLT 338
Db 69 RNNQIDNXWSEERSLPRKMPFVRGQSFWSWILCEAHLKLVAVDQHLFEYHRLNPLT 128
QY 339 INRLEVGDDIQLTHVQT 355
Db 129 INRLEVGDDIQLTHVQT 145
RESULT 10
US-09-728-479-7
Sequence 7, Application US/09728479
Patent No. US20020034726A1
GENERAL INFORMATION:
APPLICANT: KANEGASAKI, SHIRO
APPLICANT: MATSUMOTO, RYOJI
APPLICANT: HIRASHIMA, MITSUOMI
TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
FILE REFERENCE: 3914-2
CURRENT APPLICATION NUMBER: US/09/728,479
CURRENT FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: PCT/JP99/02952
PRIOR FILING DATE: 1999-06-02
PRIOR APPLICATION NUMBER: JP 10/170698
PRIOR FILING DATE: 1998-06-02
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 324
TYPE: PRT
ORGANISM: Rattus sp.
US-09-728-479-7
Query Match 31.5%; Score 603.5; DB 10; Length 324;
Best Local Similarity 39.6%; Pred. No. 8e-45;
Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;
QY 9 PYLSPAYPFSGTIOGGLQDGLQITVNGTLVSSSGTREFAVNFQTG-FSGNDIAFHNPFE 67
Db 11 PTYNPTLPYKRPIPGGLSVGMSIYIQG-IAKDNMRFRHVFVAVGQDEGADIAFHNPREF 69
QY 68 DGGVVCNTQNGSWGPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTMQSGQGWGKEKKKSMFPQKHFFELFVVMSEHYKVVVNGTPEYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSIVTSFQNPRTVPVQPAFSTVPSPQVCFPPRGRQRKPPGWMA 187
Db 130 LQMVTHLQVDDLELQSLNF-----LGGQPAASQYPGWTMTI-----PA 167

QY 188 NPAPITOTVIHTVQSAPQMFSTPAI--PPMMYPHPAYMPFITTILGGLYPSKILLSG 245
Db 168 YP-----SAGYNPPQNSLPMAGPPIFNP-----PVPYVGTLOGGLTARTTIIGK 214
QY 246 TVLPSAQRHINLCSGN-HIAFLNPRFEDENAVVNTQIDNSWSEERSLPRKMPFVRG 303
Db 215 YVLEPTAKNLIIFKVGSTGDI AFHNPRI GD-CVVRNSYMNWSWGSEERKIPYN-PFAG 272
QY 304 QSFWSWILCEAHLKLVAVDQHLFEYHRLNPLTINRLEVGDDIQLTHVQ 354
Db 273 QFFDLSIRCGTDRKVFANGQHLFDSHRFQAFQFVDMLEIKGDI TLSYVQ 323
RESULT 11
US-09-263-689-11
Sequence 11, Application US/09263689
Patent No. US20020150970A1
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Gentz, Reiner L.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,689
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/946,914
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-263-689-11
Query Match 31.5%; Score 603.5; DB 10; Length 324;
Best Local Similarity 39.6%; Pred. No. 8e-45;
Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;
QY 9 PYLSPAYPFSGTIOGGLQDGLQITVNGTLVSSSGTREFAVNFQTG-FSGNDIAFHNPFE 67
Db 11 PTYNPTLPYKRPIPGGLSVGMSIYIQG-IAKDNMRFRHVFVAVGQDEGADIAFHNPREF 69
QY 68 DGGVVCNTQNGSWGPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTMQSGQGWGKEKKKSMFPQKHFFELFVVMSEHYKVVVNGTPEYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSIVTSFQNPRTVPVQPAFSTVPSPQVCFPPRGRQRKPPGWMA 187
Db 130 LQMVTHLQVDDLELQSLNF-----LGGQPAASQYPGWTMTI-----PA 167

```
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0142
; CURRENT APPLICATION NUMBER: US/09/802,674
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,061
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-674-2

Query Match      29.9%; Score 574; DB 10; Length 323;
Best Local Similarity 38.2%; Pred. No. 2.8e-42;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPESGTTGGLODGLQITVNGTVLSSSGTRFAVNFQTGFS-GNDIAFHNPRE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPSDVAHFHNPRED 69
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFQKGMFDCFLVSSDFKVMVNGTLFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKMGSEERKSRMPFKGAAPFELVILAEHKVNVVNGNPNFYEYGHRLP 129
QY 128 FHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSPVCPFPPRRGRQKPPGVWPA 187
Db 130 LQWVTHLQVGDGLQLSINFIGSQ-----PLRPQG-----PPMMP 165
QY 188 NPAPITQTVIHTVQSAPGOMFSTPAI--PPMMYPHPAYPMPFITTTILGGLYPSKILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303
Db 213 YVPPTCKSFAINFKVGGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEKKITHN-PFGPG 271
QY 304 QSFVSWILCEAHLCKVAVDQHLFEYHRLNLPNTNRLEVGDDIOLTHVQ 354
Db 272 QFFDLSIRCLDRFKVYANGQHLFDFAHRLSAFQRYDVTLEIQGDVTLSYVQ 322

RESULT 14
US-09-922-217-1064
; Sequence 1064, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSTICS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1064
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1064

; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0142
; CURRENT APPLICATION NUMBER: US/09/802,674
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,061
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-674-2

Query Match      29.9%; Score 574; DB 9; Length 323;
Best Local Similarity 38.2%; Pred. No. 2.8e-42;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPESGTTGGLODGLQITVNGTVLSSSGTRFAVNFQTGFS-GNDIAFHNPRE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPSDVAHFHNPRED 69
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFQKGMFDCFLVSSDFKVMVNGTLFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKMGSEERKSRMPFKGAAPFELVILAEHKVNVVNGNPNFYEYGHRLP 129
QY 128 FHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSPVCPFPPRRGRQKPPGVWPA 187
Db 130 LQWVTHLQVGDGLQLSINFIGSQ-----PLRPQG-----PPMMP 165
QY 188 NPAPITQTVIHTVQSAPGOMFSTPAI--PPMMYPHPAYPMPFITTTILGGLYPSKILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303
Db 213 YVPPTCKSFAINFKVGGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEKKITHN-PFGPG 271
QY 304 QSFVSWILCEAHLCKVAVDQHLFEYHRLNLPNTNRLEVGDDIOLTHVQ 354
Db 272 QFFDLSIRCLDRFKVYANGQHLFDFAHRLSAFQRYDVTLEIQGDVTLSYVQ 322

RESULT 13
US-09-802-674-2
; Sequence 2, Application US/09802674
; Patent No. US20020042088A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A
; APPLICANT: Piderit, Alejandra
; APPLICANT: Sun, Yongming
```



```
Query Match          29.9%; Score 574; DB 10; Length 323;
Best Local Similarity 38.2%; Pred. No. 2.8e-42;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPESGTTGGGLQDGLQITVNGTIVLSSSGTREFAVNFQTGFS-GNDIAHFHNPFE 67
DB 11 PTYNPTLPYYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPGSDVAFHFNPRFD 69
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFQKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
DB 70 GWDKVVNTLQGGKNGSEERKSRMPFKKGAFAFELFVLAEHYKVVVNGNPNFYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSIVSFQNPRTVPVQAFSTVPFSQPCPPPRGRQRKPPGWPA 187
DB 130 LQWVTHLQVQDGLQLOQINFQGG-----PLRPQG-----PPMMP 165
QY 188 NPAPITQTVITHVQSAPGQMFSTPAI--PPMVPHPAYPMPFITITILGLYPSKSILLSG 245
DB 166 YPGP-----CHCHQ-----QNSLPTMEGPTFNP-----PVYFGRLOGGLTARTIIIG 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFEDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303
DB 213 YVPTGKSFAINFKVSGSGDIALHINPRMGNGTVVRNSSLNGSWGSEKKITHN-PFGPG 271
QY 304 QSFVSWILCEAHLCKVAVDGOHLFEYVHRLNRLPTINRLEVGGDIQLTHVQ 354
DB 272 QFFDLSTRCGLDRFKVYANGQHLDFAHRLSAFORVDTLEIQGDVTLSYVQ 322

RESULT 15
US-09-833-263-1064
; Sequence 1064, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833, 263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1064
; LENGTH: 323
; TYPE: PRI.
; ORGANISM: Homo sapiens
US-09-833-263-1064

Query Match          29.9%; Score 574; DB 10; Length 323;
Best Local Similarity 38.2%; Pred. No. 2.8e-42;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPESGTTGGGLQDGLQITVNGTIVLSSSGTREFAVNFQTGFS-GNDIAHFHNPFE 67
DB 11 PTYNPTLPYYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPGSDVAFHFNPRFD 69
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFQKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
DB 70 GWDKVVNTLQGGKNGSEERKSRMPFKKGAFAFELFVLAEHYKVVVNGNPNFYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSIVSFQNPRTVPVQAFSTVPFSQPCPPPRGRQRKPPGWPA 187
DB 130 LQWVTHLQVQDGLQLOQINFQGG-----PLRPQG-----PPMMP 165
QY 188 NPAPITQTVITHVQSAPGQMFSTPAI--PPMVPHPAYPMPFITITILGLYPSKSILLSG 245
DB 166 YPGP-----CHCHQ-----QNSLPTMEGPTFNP-----PVYFGRLOGGLTARTIIIG 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFEDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303
```

```
DB 213 YVPTGKSFAINFKVSGSGDIALHINPRMGNGTVVRNSSLNGSWGSEKKITHN-PFGPG 271
QY 304 QSFVSWILCEAHLCKVAVDGOHLFEYVHRLNRLPTINRLEVGGDIQLTHVQ 354
DB 272 QFFDLSTRCGLDRFKVYANGQHLDFAHRLSAFORVDTLEIQGDVTLSYVQ 322

Search completed: November 24, 2002, 02:31:01
Job time : 16.5943 secs
```


GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:18:09 ; Search time 22.9328 Seconds
(without alignments)
455.467 Million cell updates/sec

Title: US-09-485-951-2
Perfect score: 1917
Sequence: 1 MAFSGQAPYLPVAFSGT.....LPTINRLEVGGDQLTHVQT 355

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1633	85.2	311	3	US-08-946-914-4
2	1633	85.2	311	4	US-09-656-450-4
3	783	40.8	149	2	US-08-788-584-3
4	661	34.5	145	2	US-08-788-584-1
5	603.5	31.5	324	3	US-08-946-914-11
6	603.5	31.5	324	4	US-09-656-450-11
7	574	29.9	323	1	US-08-469-667-16
8	574	29.9	323	3	US-08-946-914-2
9	574	29.9	323	4	US-09-224-110-16
10	574	29.9	323	4	US-09-656-450-2
11	574	29.9	323	5	PCT-US95-07289-16
12	535	27.9	145	2	US-08-788-584-5
13	535	27.9	145	3	US-08-946-914-12
14	535	27.9	145	4	US-09-656-450-12
15	472.5	24.6	316	4	US-09-131-648-5
16	471.5	24.6	317	3	US-08-946-914-6
17	471.5	24.6	317	4	US-09-656-450-6
18	454.5	23.7	316	2	US-08-728-521-3
19	454.5	23.7	316	2	US-08-647-960-2
20	454.5	23.7	316	3	US-08-946-914-15
21	454.5	23.7	316	3	US-08-946-914-17
22	454.5	23.7	316	4	US-09-212-146-3
23	454.5	23.7	316	4	US-09-656-450-15
24	454.5	23.7	316	4	US-09-656-450-17
25	353.5	18.4	264	2	US-08-728-521-1
26	353.5	18.4	264	4	US-09-212-146-1
27	328.5	17.1	264	1	US-08-562-311-4

28	321.5	16.8	336	4	US-09-131-648-1	Sequence 1, Appl
29	321	16.7	262	3	US-08-946-914-14	Sequence 14, Appl
30	321	16.7	262	4	US-09-656-450-14	Sequence 14, Appl
31	318.5	16.6	250	3	US-08-946-914-10	Sequence 10, Appl
32	318.5	16.6	250	4	US-09-656-450-10	Sequence 10, Appl
33	317.5	16.6	250	1	US-08-562-311-2	Sequence 2, Appl
34	255	13.3	200	3	US-08-946-914-8	Sequence 8, Appl
35	255	13.3	200	4	US-09-656-450-8	Sequence 8, Appl
36	254.5	13.3	177	2	US-08-647-960-6	Sequence 6, Appl
37	250	13.0	147	2	US-08-647-960-7	Sequence 7, Appl
38	230.5	12.0	136	4	US-08-946-914-13	Sequence 13, Appl
39	230.5	12.0	136	4	US-09-154-750A-79	Sequence 79, Appl
40	230.5	12.0	136	4	US-09-656-450-13	Sequence 13, Appl
41	226.5	11.8	135	2	US-08-647-960-5	Sequence 5, Appl
42	198.5	10.4	132	2	US-08-647-960-11	Sequence 11, Appl
43	189	9.9	131	2	US-08-647-960-9	Sequence 9, Appl
44	184	9.6	146	2	US-08-647-960-8	Sequence 8, Appl
45	179	9.3	184	2	US-08-647-960-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-946-914-4
; Sequence 4, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-4

Query Match 85.2% Score 1633; DB 3; Length 311;
Best Local Similarity 87.6%; Pred. No. 8.9e-164;
Matches 31; Conservative 0; Mismatches 0; Indels 44; Gaps 1;
QY 1 MAFSGQAPYLPVAFSGTIGGGLQDGLQITVNGTIVLSSSGTRFAVNFOTGFSGNDIAF 60
|||||

Db 1 MAFSGSOAPYLSPAVPFSGTIOGGLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60
QY 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLFVQSSDFKVMVNGILFV 120
Db 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLFVQSSDFKVMVNGILFV 120
QY 121 QYFHRVPFHRVDITISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSPQVCFPPRGRQK 180
Db 121 QYFHRVPFHRVDITISVNGSVQLSYISFQ-----148
QY 181 PPGVWPANPAPITQTIVHTVQSAPGOMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240
Db 149 -----TQTIVHTVQSAPGOMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 196
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 197 ILLSGTVLPSAQRFHNLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 256
QY 301 VRQGSFVSWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 257 VRQGSFVSWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGDDIQLTHVQT 311
RESULT 2
US-09-656-450-4
; Sequence 4; Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: NI, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488 0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-450-4

Query Match 85.2%; Score 1633; DB 4; Length 311;
Best Local Similarity 87.6%; Pred. No. 8.9e-164;
Matches 311; Conservative 0; Mismatches 0; Indels 44; Gaps 1;
QY 1 MAFSGSOAPYLSPAVPFSGTIOGGLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60
Db 1 MAFSGSOAPYLSPAVPFSGTIOGGLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60
QY 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLFVQSSDFKVMVNGILFV 120
Db 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLFVQSSDFKVMVNGILFV 120
QY 121 QYFHRVPFHRVDITISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSPQVCFPPRGRQK 180
Db 121 QYFHRVPFHRVDITISVNGSVQLSYISFQ-----148
QY 181 PPGVWPANPAPITQTIVHTVQSAPGOMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240
Db 149 -----TQTIVHTVQSAPGOMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 196
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300
Db 197 ILLSGTVLPSAQRFHNLCSGNHIAFLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 256

QY 301 VRQGSFVSWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 257 VRQGSFVSWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGDDIQLTHVQT 311
RESULT 3
US-08-788-584-3
; Sequence 3; Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-788-584-3
Query Match 40.8%; Score 783; DB 2; Length 149;
Best Local Similarity 97.3%; Pred. No. 9.6e-75;
Matches 145; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 207 MFSTPAIPPMYHPAYPMPFITILGGLYPSKSILLSGTVLPSAQRFHNLCSGNHIAF 266
Db 1 MFSTGIPPMYHPGYPMPFITILGGLYPSKSILLSGTVLPSAQRFHNLCSGNHIAF 60
QY 267 HLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 326
Db 61 HLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 120
QY 327 FEYHRLNRLPTINRLEVGDDIQLTHVQT 355
Db 121 FEYHRLNRLPTINRLEVGDDIQLTHVQT 149
RESULT 4
US-08-788-584-1
; Sequence 1; Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:

TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 323 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-946-914-2

Query Match 29.9%; Score 574; DB 3; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIQGLQDGLQITVNGTVLSSSSTRFAVNFQTFGS-GNDIAFHNPFRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDVAHFENPRFD 69
QY 68 DGGVVCNTRQNGSWGPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKWSGEERKSRMPFKGAFAELFVFLAEHYKVVVNGNPFYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSQVPCFPFPRRQRKPPGVMPA 187
Db 130 LQWVTHLQVGDGLQLSINFIGGQ-----PLRPGQ-----PPMPP 165
QY 188 NPAPITQTVHTVQSAPQMFSTPAI--PPMYPHPAYPMPFITITLGLLYPSKSILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVPYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFDENAVVRNTQDNSWGSERSLPRKMPVVRG 303
Db 213 YVPTGKSFALNVKVGSGDIALHINRMNGTVVRNSLNGSWGSEKKKITHN-PFPGP 271
QY 304 QSF5WVILCEAHCLKVADGQHLFEYVYHRLNRLPTINRLEVGSDIQLTHVQ 354
Db 272 QFFDLSIRCGLDKFKVYANGQHLDFAHRLSAFORVDTLEIQGDVTL5YVQ 322

RESULT 9

US-09-224-110-16
Sequence 16, Application US/09224110
Patent No. 6337195
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
ADDRESSEE: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,110
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/469,667
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 323 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-224-110-16

Query Match 29.9%; Score 574; DB 4; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIQGLQDGLQITVNGTVLSSSSTRFAVNFQTFGS-GNDIAFHNPFRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDVAHFENPRFD 69
QY 68 DGGVVCNTRQNGSWGPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKWSGEERKSRMPFKGAFAELFVFLAEHYKVVVNGNPFYEGHRLP 129
QY 128 FHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSQVPCFPFPRRQRKPPGVMPA 187
Db 130 LQWVTHLQVGDGLQLSINFIGGQ-----PLRPGQ-----PPMPP 165
QY 188 NPAPITQTVHTVQSAPQMFSTPAI--PPMYPHPAYPMPFITITLGLLYPSKSILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVPYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFDENAVVRNTQDNSWGSERSLPRKMPVVRG 303
Db 213 YVPTGKSFALNVKVGSGDIALHINRMNGTVVRNSLNGSWGSEKKKITHN-PFPGP 271
QY 304 QSF5WVILCEAHCLKVADGQHLFEYVYHRLNRLPTINRLEVGSDIQLTHVQ 354
Db 272 QFFDLSIRCGLDKFKVYANGQHLDFAHRLSAFORVDTLEIQGDVTL5YVQ 322

RESULT 10

US-09-656-450-2
Sequence 2, Application US/09656450
Patent No. 6468768
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Gentz, Reiner L.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
FILE REFERENCE: 1488.0560003
CURRENT APPLICATION NUMBER: US/09/656,450
CURRENT FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: US 09/263,689
PRIOR FILING DATE: 1999-03-05
PRIOR APPLICATION NUMBER: US 08/946,914
PRIOR FILING DATE: 1997-10-09
PRIOR APPLICATION NUMBER: US 60/028,093
PRIOR FILING DATE: 1996-10-09
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 323
TYPE: PRT
ORGANISM: Homo sapiens
US-09-656-450-2

Query Match 29.9%; Score 574; DB 4; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIQGLQDGLQITVNGTVLSSSSTRFAVNFQTFGS-GNDIAFHNPFRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDVAHFENPRFD 69
QY 68 DGGVVCNTRQNGSWGPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127

Db	70	GWDKVVNTLOGKWSGEERKSRMPFKGAAPFLVTVLAHYKVVVNGNPFYEGHRUP	129
Qy	128	FHRVDTISVNGSVOLSVISFQNPRPTVVPQAFSTVPFSQPCVPPRRGRROKPPGVWPA	187
Db	130	LQWVTHLQVDDGLQLOSINIGQQ-----PLRPG-----PPMPP	165
Qy	188	NPAPITCVTHTVQSPAGQWFSPAT--PPMYPHPAYPMPTTTILGLYSPKSIILLGS	245
Db	166	YPG-----CHCQ-----QLNSLPTMEGPPFPN---PVPYFGRLOGGLTARRTTIIG	212
Qy	246	TVLPASAORFIN--LCSCGNHIAFLNPRDENNAVVENTOIDSNGSEERSLPRKMPFVRG	303
Db	213	YVPPTGKSAFINKVGSDDGLAHINPRMGNTVVRNSLLNGSNGSEERKTIITH--PFGPG	271
Qy	304	QSF5WVILCEAHLCKVAVDQGHLEFYFHYHRLNLPPTNRLVEVGDDIOLTHVQ	354
Db	272	QFEDLSIRCGLDRFKYVANGHULFDEAHLRSAFORDVTLLEIGODVTLVSXVO	322

```

RESULT 11
PCT-US95-07289-16
; Sequence 16, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 323 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-07289-16

```

```

130 LQMVTHLQVGDGLQLOSINFIGQ-----PLRPOG-----PPMPP 165
188 NPAPITQVTHVTQSPAGQMFSPAI--PPMYPHPAYPMPTTTTLGLGYPSKSTLLSG 245
166 YPGP-----GHCHQ-----QLNSLPTWEGPPTFNP-----PVPFGRLOGGLTARTIIIG 212
246 TVLPSPQRFHIN--LCSGNHIAHLPREDENAVRNTQIDNSWGSEERSLPKMPFVRG 303
213 YVPPTGKSFAINFKVSGSSGDIALHPRMGNGTVVRNSLLINGSWSEKKITHN-PFPGP 271
304 QSFVSVTLCEAHLCKVAVDQHLFEYXHLRNLPTINRLEVGGDIOLTHVQ 354
272 QFFDLISRCGLDRFKVYANGQHLDFAHRLSAFORVDTLEIQGVDTLSVQ 322

RESULT 12
US-08-788-584-5
Sequence 5 Application us/08788584

```

```

RESULT 12
US-08-788-584-5
; Sequence 5, Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 727176
US-08-788-584-5

```


RESULT 13

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

[illegible]

TELEPHONE: 202-371-2600

```

RESULT 15
US-09-131-648-5
; Sequence 5, Application US/09131648
; Patent No. 6168920
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: EXTRACELLULAR ADHESIVE PROTEINS
; FILE REFERENCE: PF-0576 US
; CURRENT APPLICATION NUMBER: US/09/131,648
; CURRENT FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PERL Program

```

1.

```

; SEQ ID NO 5
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: g1932712
US-09-131-648-5

```

Query Match	24.6%	Score 472.5;	DB 4;	Length 316;
Best Local Similarity	33.0%;	Pred. No. 1.5e-41;		
Matches 115: Conservative	55;	Mismatches 128;	Indels 51;	Gaps 8;

RESULT 1A

RESOL 14
US-09-656-450-12

